

Translation





# **PCT**

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT02063	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No. PCT/JP2003/011701	International filing date (day/month) 12 September 2003 (12.09.2)					
International Patent Classification (IPC) or n A61B 8/08	ational classification and IPC					
Applicant H	ITACHI MEDICAL CORPO	RATION				
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.						
2. This REPORT consists of a total of	4 sheets, including the	s cover sheet.				
3. This report is also accompanied by A	3. This report is also accompanied by ANNEXES, comprising:					
a. (sent to the applicant and	to the International Bureau) a total (	of sheets, as follows:				
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
beyond the disclo	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))  ——————————————————————————————————						
4. This report contains indications rela	ting to the following items:					
Box No. I Basis of the re	port					
Box No. II Priority						
Box No. III Non-establish	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity	Box No. IV Lack of unity of invention					
Box No. V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain documents cited						
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of con	apletion of this report				
02 April 2004 (02.04.2	2004)	27 July 2004 (27.07.2004)				
Name and mailing address of the IPEA/JP	Authorized	officer				

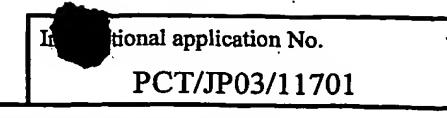


#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2003/011701

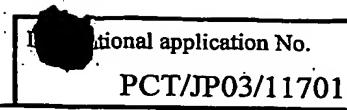
Box No.	I E	Basis of the report				
	With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.					
	This report is based on translations from the original language into the following language, which is language of a translation furnished for the purpose of:					
	international search (under Rules 12.3 and 23.1(b))					
	publication of the international application (under Rule 12.4)					
	international preliminary examination (under Rules 55.2 and/or 55.3)					
furnisi	hed to	to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report):				
$\boxtimes$	The in	ternational application as originally filed/furnished				
<b></b>		scription:				
	pages	, as originally filed/furnished				
	pages*					
<b>,</b> -	pages*					
	the cla					
	pages	, as originally filed/furnished				
	pages*					
	pages <sup>4</sup>					
<del> </del>	pages*					
	the dra	awings:				
	pages					
	pages'					
	pages'					
	a sequ	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.				
3.	The a	mendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
4.	made, (Rule	report has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (70.2(c)).  the description, pages the claims, Nos the drawings, sheets/figs any table(s) related to sequence listing (specify):				
* If ito:	m 1 an	nlies same ar all of those sheets mon he marked "ennerseded"				

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Box No.	III Non-establishment of opinion	with regard to novelty, inventive step and industrial applicability				
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:						
	the entire international application.					
$\boxtimes$	claims Nos. 7, 8, 16,	17, 23-29				
becau	cause:  the said international application, or the said claims Nos					
	relate to the following subject matter which does not require an international preliminary examination (specify):					
	•	•				
	•					
		•				
	the description, claims or drawings are so unclear that no meaningful of	(indicate particular elements below) or said claims Nos ppinion could be formed (specify):				
	•	•				
	the claims, or said claims Nos by the description that no meaning	ful opinion could be formed.				
$\boxtimes$	no international search report has b	een established for said claims Nos. 7, 8, 16, 17, 23-29				
	the nucleotide and/or amino acid so Administrative Instructions in that:	equence listing does not comply with the standard provided for in Annex C of the				
	the written form	has not been furnished				
		does not comply with the standard				
	the computer readable form	has not been furnished				
		does not comply with the standard				
	the tables related to the nucleotide at the technical requirements provided	and/or amino acid sequence listing, if in computer readable form only, do not comply with for in Annex C-bis of the Administrative Instructions.				
	see Supplemental Box for further d	etails.				





	x No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement						
Novelty (N)	Claims	•	YES			
	Claims	1-6, 9-15, 18-22, 30-34	NO			
Inventive step (IS)	Claims		YES			
	· Claims	1-6, 9-15, 18-22, 30-34	NO			
Industrial applicability (IA)	Claims	1-6, 9-15, 18-22, 30-34	YES			
	Claims	•	NO			
•	<del></del>	·				

2. Citations and explanations (Rule 70.7)

Document 1: JP, 2001-286474, A (SIEMENS MEDICAL SYSTEMS, INC.), 16 October 2001, full text, all drawings

### Claims 1-6, 9-15, 18-22, 30-34

The subject matter of claims 1-6, 9-15, 18-22, and 30-34 is not novel and does not involve an inventive step on account of document 1 cited in the ISR. Document 1 pertains to an image diagnosis device that takes a tomogram of the heart using RF echoes, and discloses an invention that tracks the point of interest in images that are continuous over time. It also discloses course detection utilizing the sum of the absolute values of differences in image ID regions (SAD) as a tracking technique, and discloses using it in conjunction with fine scanning by means of intercorrelation of RF signals (see, in particular, paragraphs 9~17).